

FIG.1

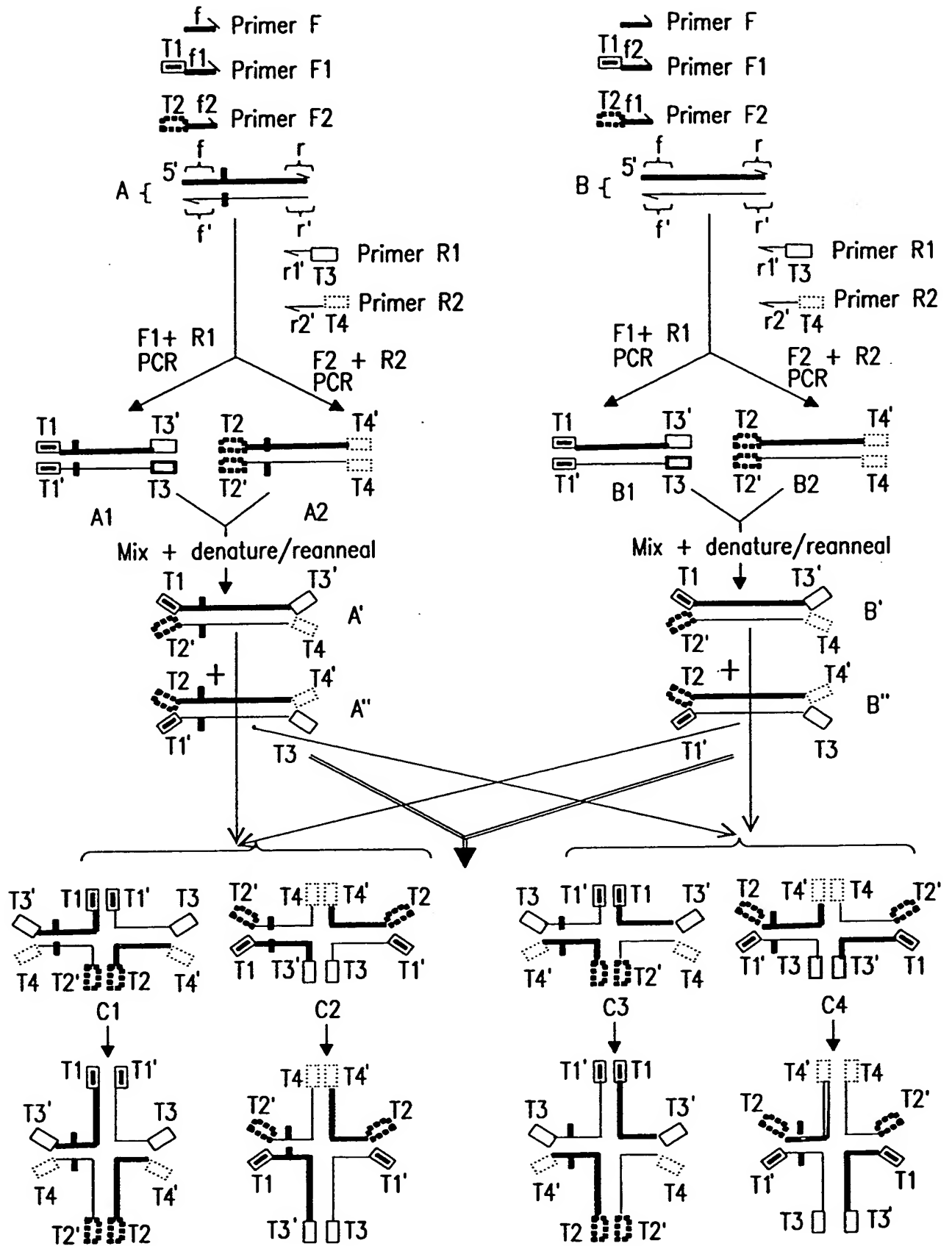


FIG.2

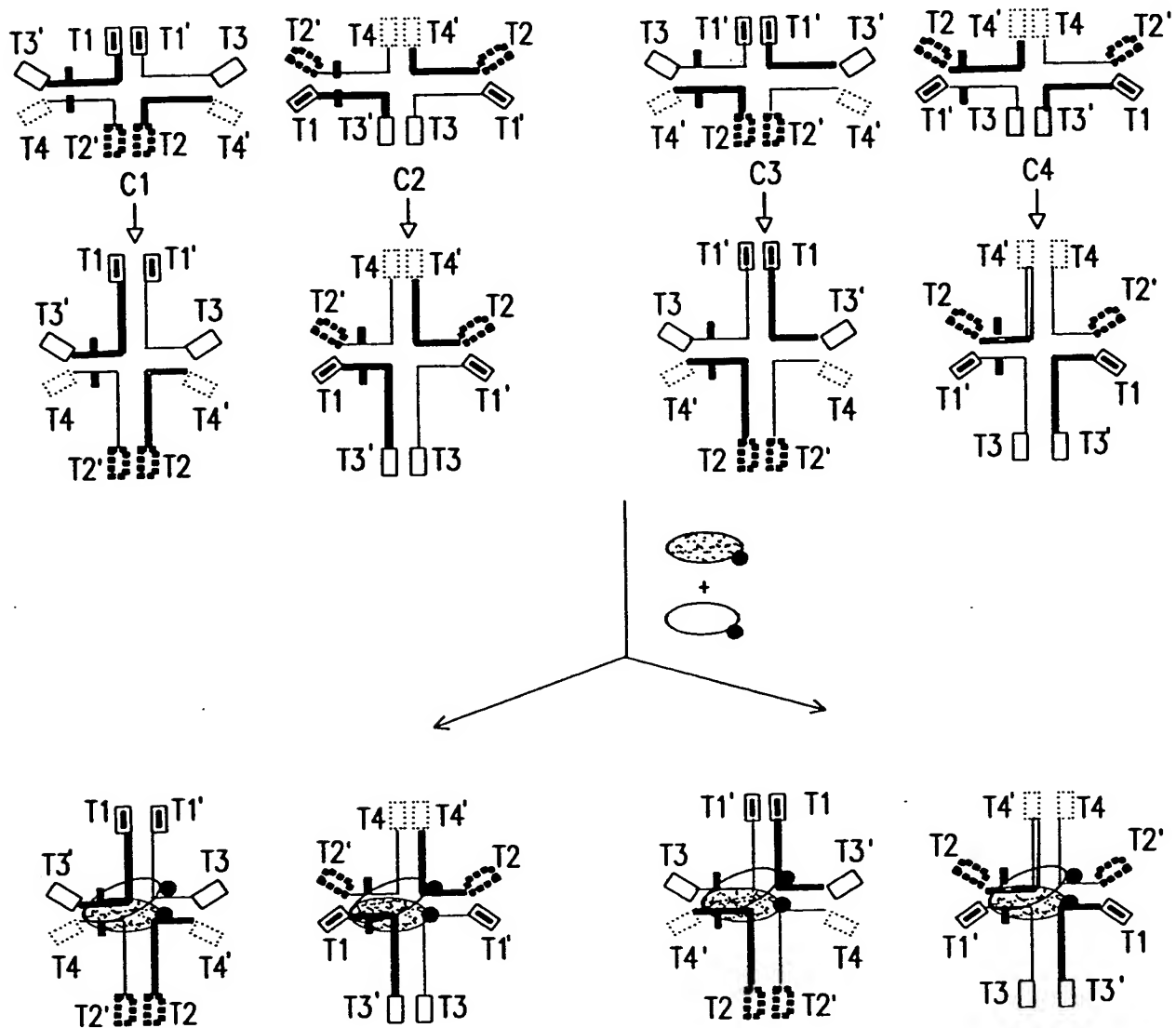


FIG.3

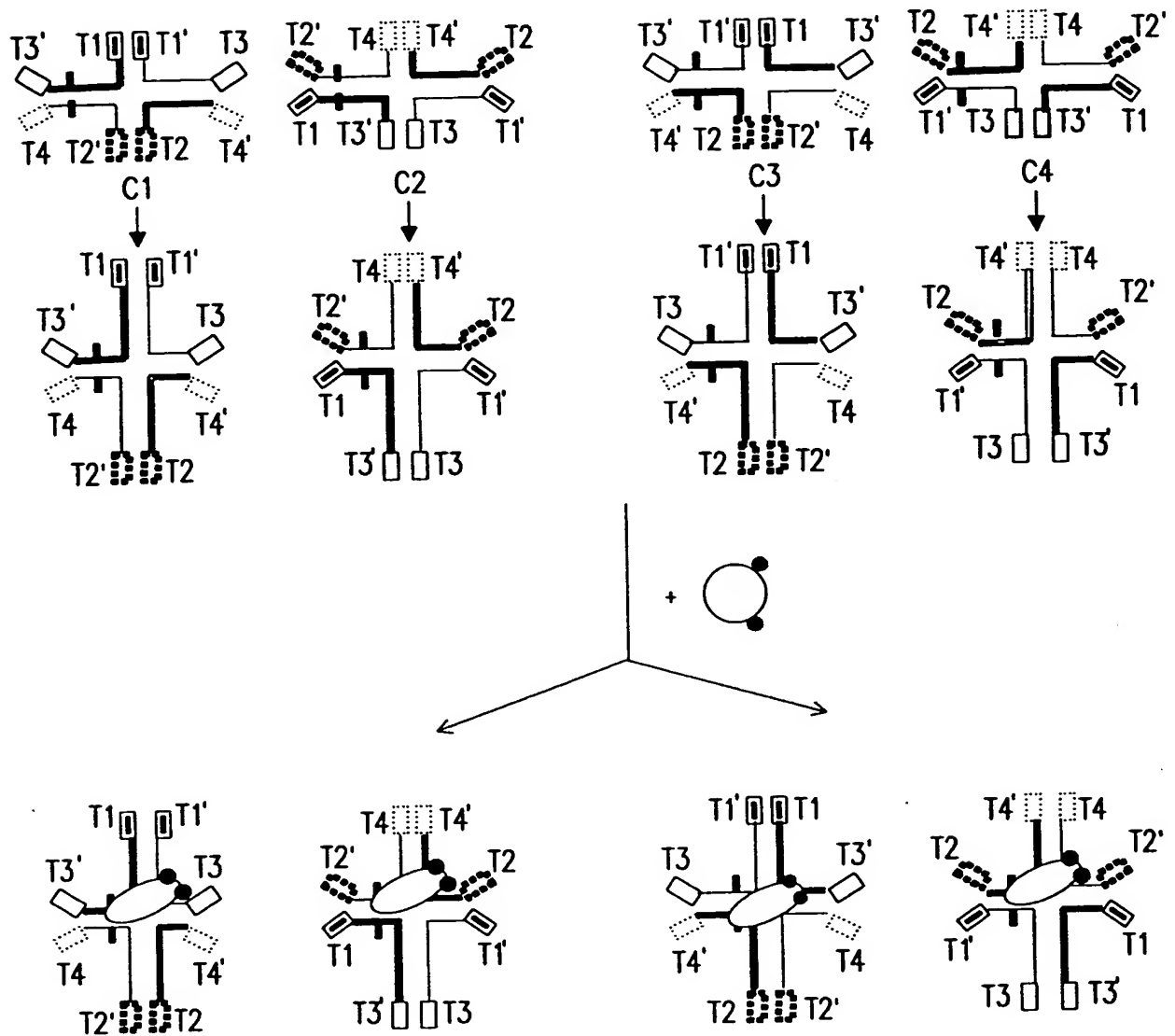


FIG.4

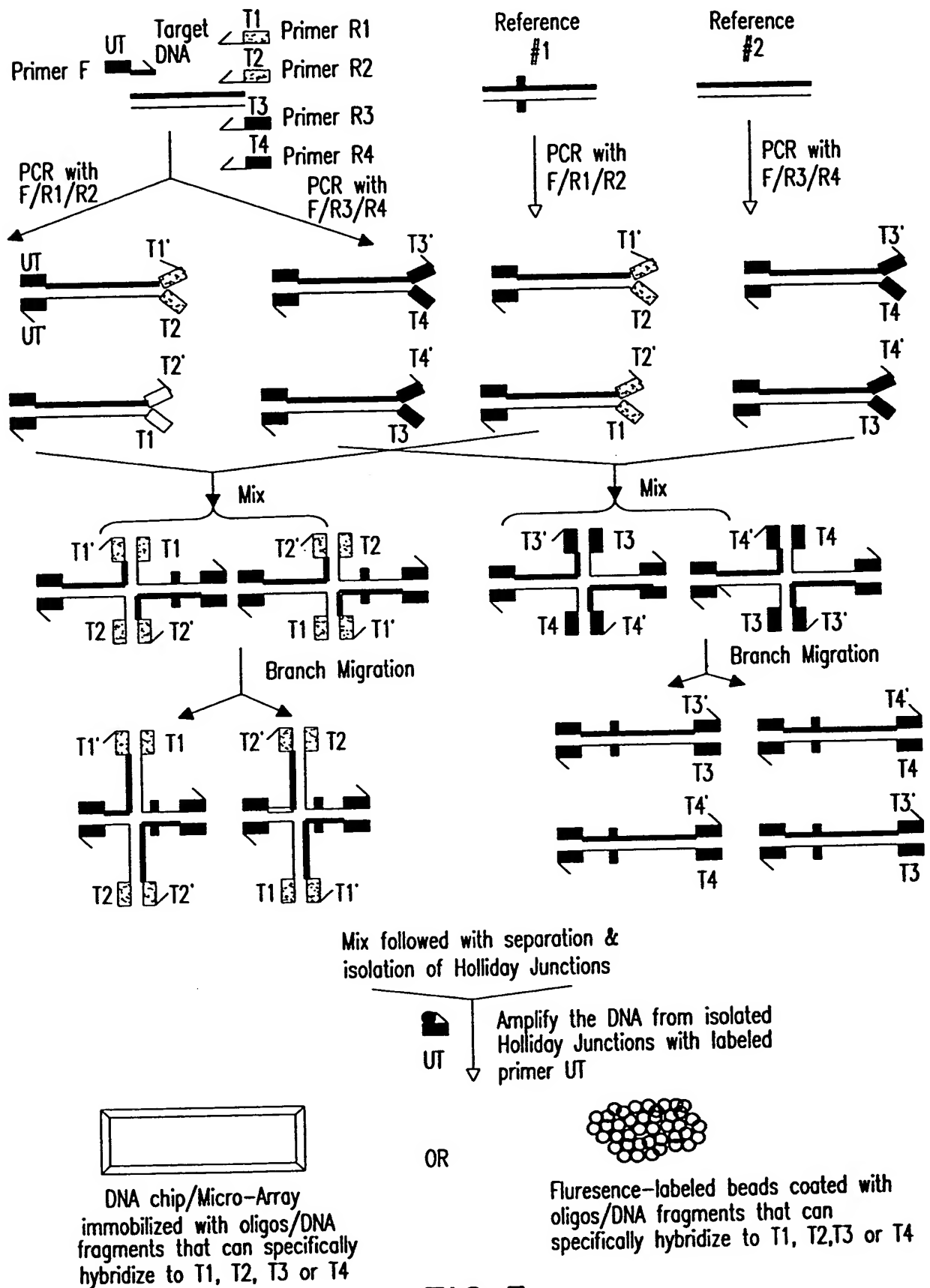


FIG.5

There is no difference between DNA fragment A and B

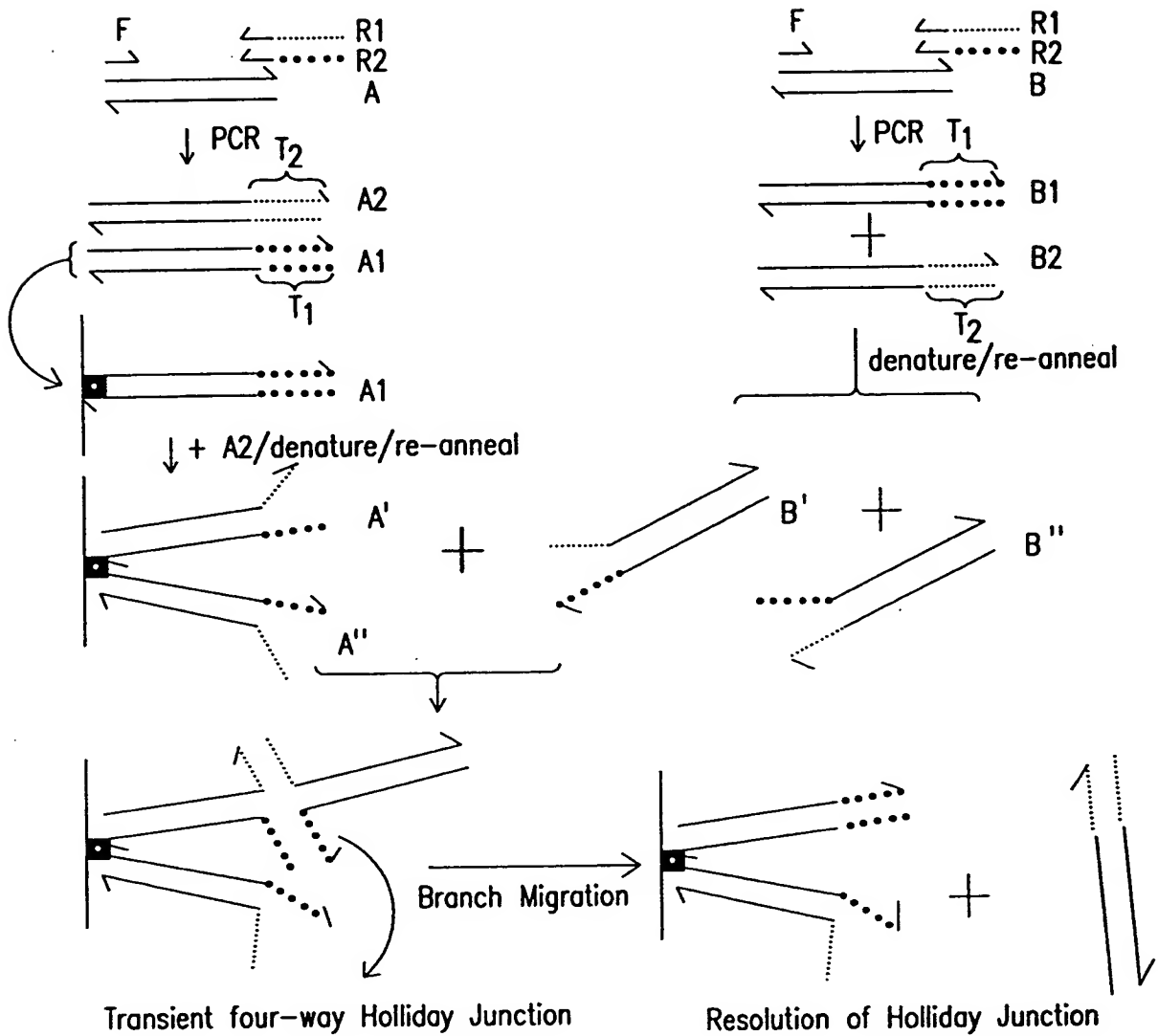


FIG.6A

There is a difference between DNA fragment A and B

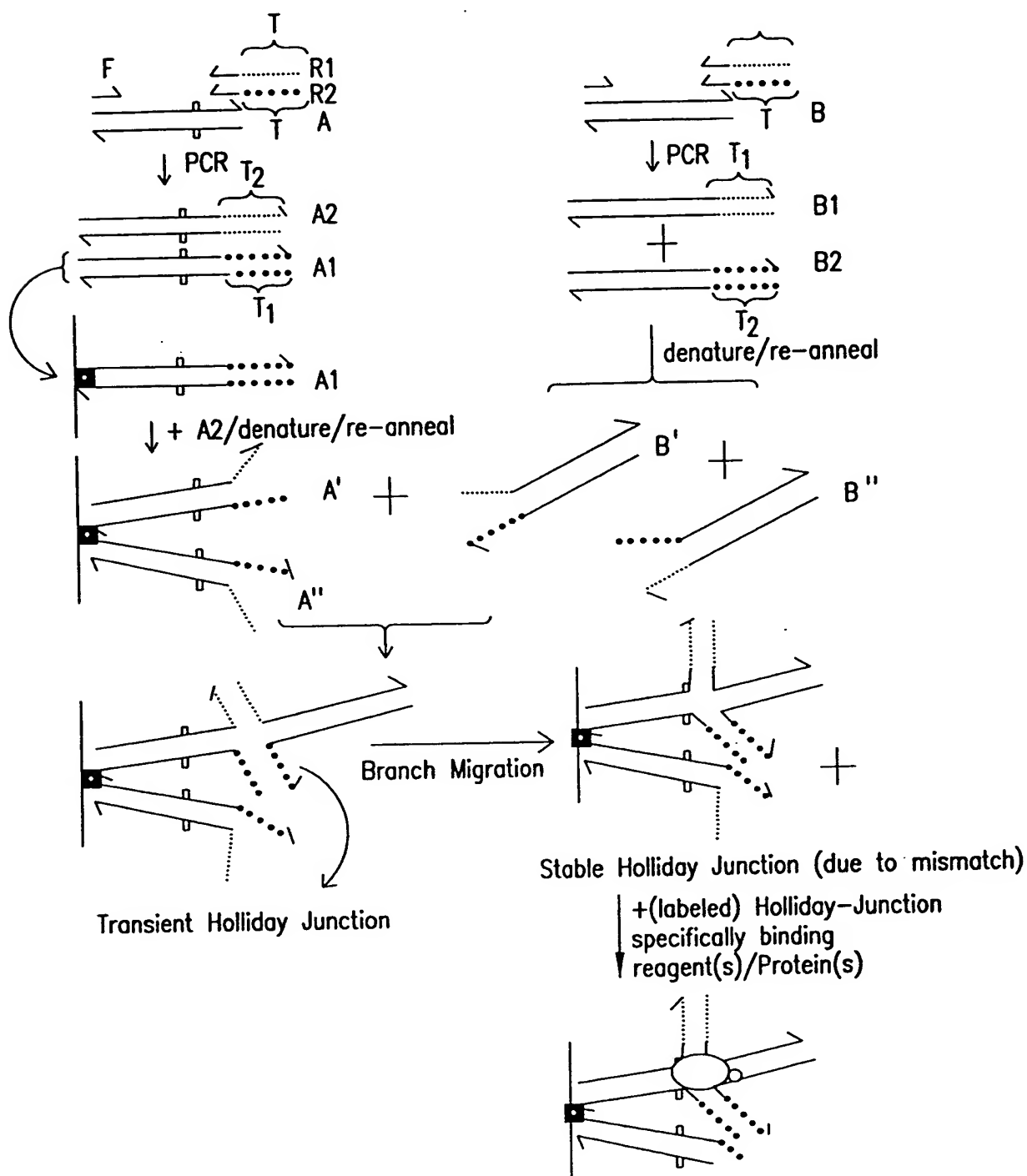
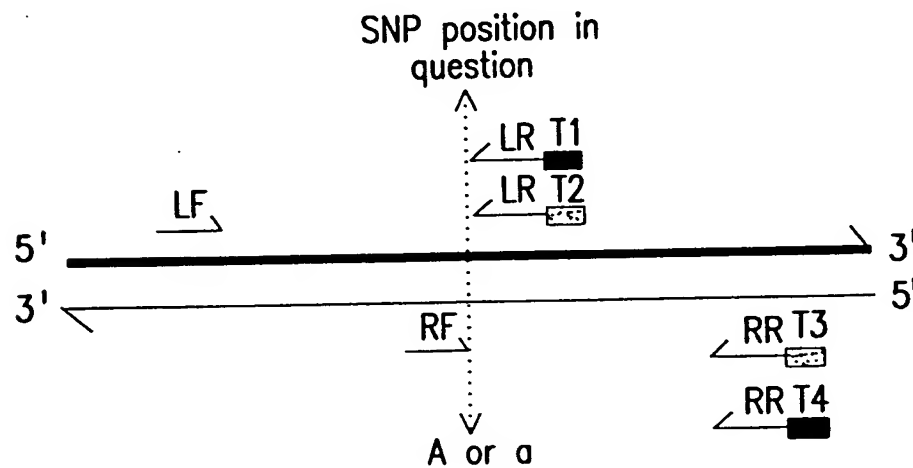


FIG.6B

For each SNP position in question, two versions exist (bi-allelic): either A or a.

Two sets of primers:

- 1<sup>st</sup> set of primers: LF/LR1/LR2
- 2<sup>nd</sup> set of primers: RF/RR1/RR2



$$T1 \neq T2, T3 \neq T4, T1/T2 = T3/T4 \text{ or } T1/T2 \neq T3/T4$$

FIG.7



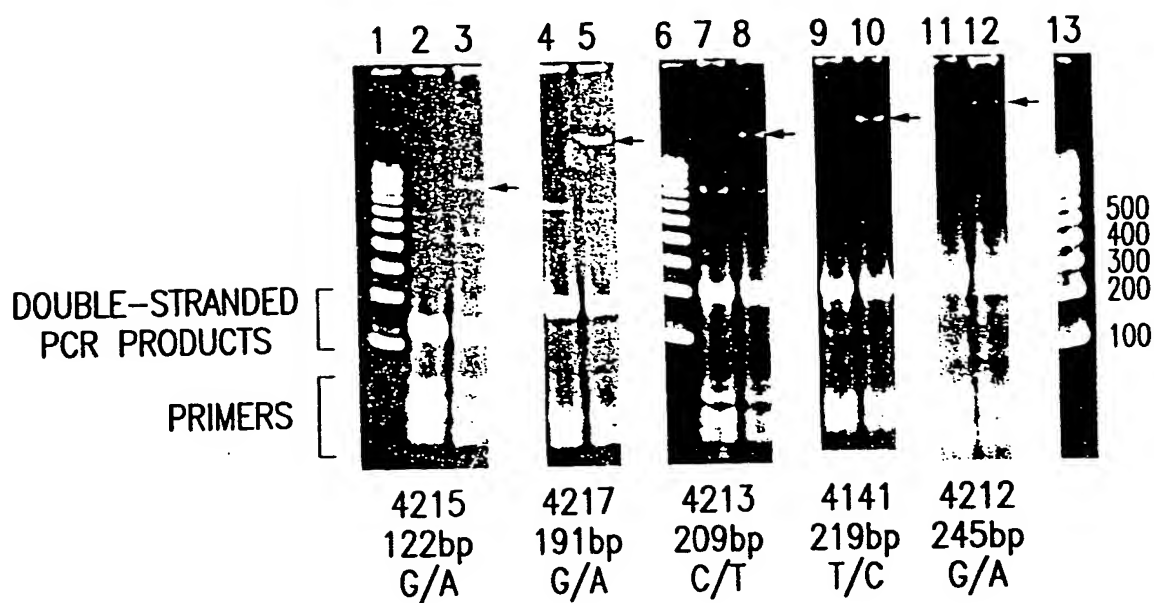


FIG.8A

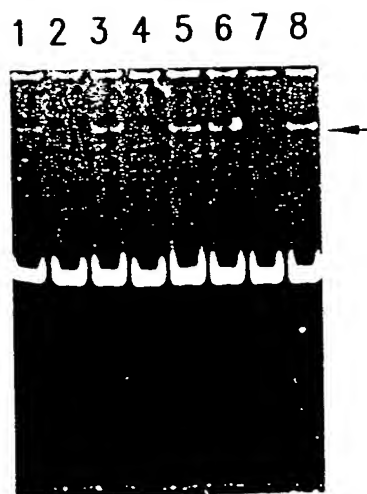


FIG.8B

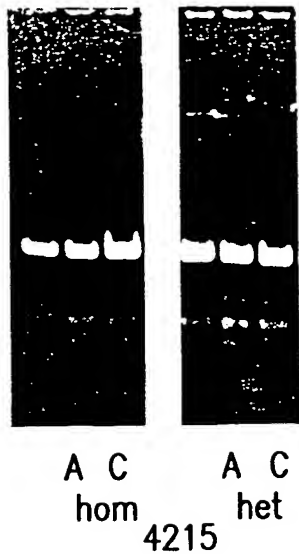


FIG.9A

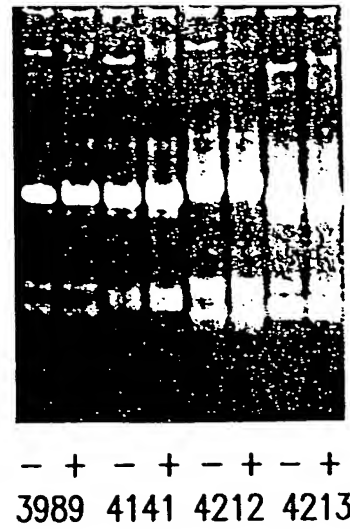


FIG.9B

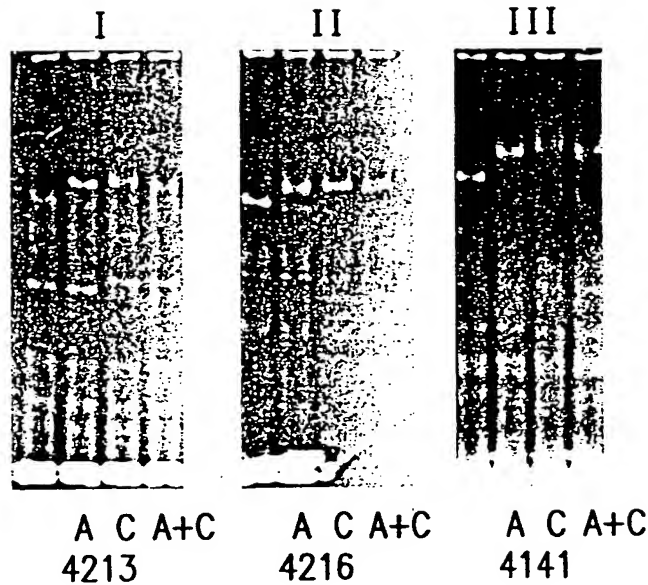


FIG.9C

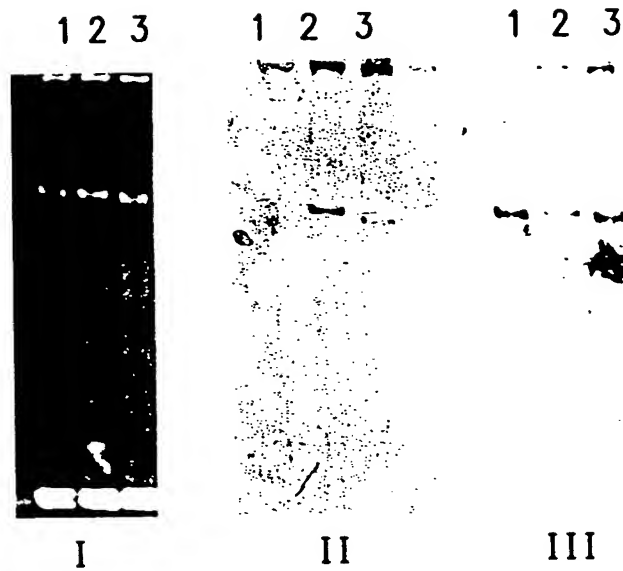


FIG.10